THE BRAIN: UNDERSTANDING NEUROBIOLOGY THROUGH THE STUDY OF ADDICTION		
Tennessee Science Curriculum Standards– Biology		
Lesson	**Standard**	**Learning Expectation**
2, 3	**1.1**	Compare and contrast the chemistry of biomolecules and investigate their roles in cell structure and metabolism.
2, 3	**1.4**	Analyze cell processes.
4, 5	**2.4**	Analyze innate and learned behaviors and relate these to the survival of organisms.
Tennessee Science Curriculum Standards– Anatomy and Physiology		
Lesson	**Standard**	**Learning Expectation**
1, 2, 3, 4	**1.2**	Investigate the structure of the major body systems and relate the functions.
All lessons	**1.4**	Apply correct anatomical terminology of body parts and regions.
2, 3, 4	**3.2**	Describe the structure, function and developmental aspects of neurons and their supporting glial cells.
2, 3, 4	**3.3**	Investigate the physiology of electrochemical impulses and neural integration.
1, 2, 3, 4	**3.4**	Investigate organs utilized by the body for perception of external stimuli and to the maintenance of homeostasis.
2, 3	**3.6**	Analyze the parts of the spinal cord, neurons, neuroglia and the neuromuscular junction, using microscopic slides, diagrams, or models.
1, 2, 3, 4	**3.7**	Analyze sensory perceptions.
3, 4, 5	**3.8**	Analyze diseases as related to each system.
Tennessee Mathematics Curriculum Standards – Algebra I		
Lesson	**Standard**	**Learning Expectation**
3, 4	**1.2**	Demonstrate an understanding of the relative size of rational and irrational numbers.
3, 4	**1.7**	Use real numbers to represent real-world applications (e.g., slope, rate of change, probability, and proportionality).

3, 4	**1.9**	Select and apply an appropriate method (i.e., mental mathematics, paper and pencil, or technology) for computing with real numbers, and evaluate the reasonableness of results.
3, 4	**1.10**	Perform operations on algebraic expressions and informally justify the procedures chosen.
3, 4	**2.6**	Apply and interpret rates of change from graphical and numerical data.
3, 4	**2.7**	Analyze graphs to describe the behavior of functions.
3, 4	**2.8**	Interpret results of algebraic procedures.
3, 4	**2.10**	Interpret graphs that depict real-world phenomena.
3, 4	**2.11**	Model real-world phenomena using functions and graphs.
2, 3, 4	**5.4**	Choose, construct, and analyze appropriate graphical representations for a data set.
Tennessee English/Language Arts Curriculum Standards – English I		
Lesson	**Standard**	**Learning Expectation**
All lessons	**2.1.B**	Distinguish fact from opinion in a passage or writing sample.
All lessons	**2.2.A**	Draw inferences from selected passages.
All lessons	**2.2.B**	Determine the meaning of a word in context.
All lessons	**2.2.F**	Discern an implied main idea from a passage.
All lessons	**3.1.A**	Draw an inference from a non-print medium.
5	**4.2.A**	Determine the appropriate preparation (e.g., length and timing, rate of speech, visual aids, diction) for an oral presentation to a specified audience or a special interest group.
Tennessee Health Lifetime Wellness Standards – Grades 9 - 12		
Lesson	**Standard**	**Learning Expectation**
3, 4, 5	**1.1**	Differentiate between communicable and non-communicable diseases.
4, 5	**1.2**	Determine heredity, environmental, and lifestyle factors that place the student at risk for disease.
4, 5	**1.5**	Identify prevention, causes, warning signs, and treatment for non-communicable diseases.
5	**1.6**	Identify appropriate community agencies providing resources for disease information and support.
5	**4.11**	Identify resources and facilities in the community that relate to physical fitness and wellness.

5	**7.6**	Identify school and community resources pertaining to treatment and intervention.
4, 5	**7.7**	Examine strategies for avoiding drugs and developing a commitment to a drug free lifestyle.